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	Application No.	Applicant(s)		
AL 4' CAU L'U4	10/040,378	KOMADA, DAISUKE	KOMADA, DAISUKE	
Notice of Allowability	Examiner	Art Unit		
	Lan Vinh	1765		
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED i or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due cou	rse. THIS	
1. $\boxtimes$ This communication is responsive to <u>Applicants response</u>	filed on 3/15/2004.			
2. The allowed claim(s) is/are 1,2 and 4-15.				
3. $\boxtimes$ The drawings filed on <u>09 January 2002</u> are accepted by th	e Examiner.			
<ul> <li>4.</li></ul>	e been received. e been received in Application of the communication to file MENT of this application.  Initted. Note the attached EX es reason(s) why the oath cost be submitted. In Son's Patent Drawing Reviews Amendment / Comment of the header according to 37 Cost of BIOLOGICAL MAT	on No. 10/040,378.  In this national stage application are a reply complying with the required AMINER'S AMENDMENT or NOTION declaration is deficient.  W ( PTO-948) attached are in the Office action of the drawings in the front (not the backer 1.121(d).  ERIAL must be submitted. Note	ements CE OF	
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview S Paper No 08), 7. Examiner's	Informal Patent Application (PTO-15) Summary (PTO-413), /Mail Date S Amendment/Comment S Statement of Reasons for Allowar Lan Vinh AU 1765	·	

Application/Control Number: 10/040,378

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## Allowable Subject Matter

1. Claims 1-2, 4-15 allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 9, 13, the applicants have presented a persuasive argument, see the last paragraph on page 9 of the response, filed on 3/15/2004 that the cited prior art of record fails to disclose or suggest a method of manufacturing a semiconductor device comprises the step of dry etching the insulating film by using the mask pattern as a mask and etching gas which contains  $C_4F_8$  gas and  $C_xF_y$  gas (wherein x and y are an integer and satisfy x greater than or equal 5 and y smaller or equal (2x-1) wherein the  $C_xF_y$  gas is  $C_5F_8$  gas and the etching step is performed under a condition of  $0 < P_2/(P_1 + P_2) \le 0.5$  where  $P_1$  is a partial pressure of the  $C_4F_8$  and  $P_2$  is a partial pressure of the  $C_5F_8$  gas, in combination with the rest of the limitations of the above claims.

Regarding claims 7, 11, the applicants have presented a persuasive argument, see the first paragraph on page 11 of the response, filed on 3/15/2004 that the cited prior art of record fails to disclose or suggest a method of manufacturing a semiconductor device comprises the step of dry etching the insulating film by using the mask pattern as a mask and etching gas which contains  $C_4F_8$  gas and  $C_xF_y$  gas (wherein x and y are an integer and satisfy x greater than or equal 5 and y smaller or equal (2x-1) to form a recessed and expose the etching stopper film on a bottom of the recess/ the step of dry etching the second film by using the mask pattern as a mask and etching gas which contains  $C_4F_8$  gas and  $C_xF_y$  gas (wherein x and y are an integer and satisfy x greater than or equal 5 and y smaller or equal (2x-1), in combination with the rest of the limitations of the above claims.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lan Vinh whose telephone number is 571 272 1471. The examiner can normally be reached on M-F 8:30-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571 272 1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LV

April 28, 2004